



## DEPARTMENT OF PLANNING AND BUILDING

Promoting the Wise Use of Land – Helping to Build Great Communities

**Date:** May 29, 2015

**To:** Planning Commission

**From:** Xzandrea Fowler, Project Manager

**Subject:** Technical Documents related to the Paso Basin Computer Model Update Report and the Ground Water Management Plan - Countywide Water Conservation Program Item on May 29, 2015 (LRP2013-00012)

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On May 14, 2015 the Planning Commission held a hearing for the consideration of a request by the COUNTY OF SAN LUIS OBISPO for amendments to the Agricultural Element and the Conservation and Open Space Element of the General Plan; and amendments to Title 8 (Health and Sanitation Ordinance), Title 19 (Building and Construction Ordinance), and Title 22 (Land Use Ordinance) of the County Code in order to implement the Water Neutral Development and the Water Waste Prevention components of the proposed Countywide Water Conservation Program.

During the hearing, Public Works staff made a presentation on the Long Term Management Efforts that are underway for the Paso Robles Groundwater Basin. The Commission requested a copy of the presentation as well as the technical data that was associated with the information being presented.

Per Planning Commission request the following documents are being provided:

1. Public Works Planning Commission Presentation – May 14, 2015 (Attached)
2. Final Paso Basin Computer Model Update Report – Available online at:  
<http://www.slocountywater.org/site/Water%20Resources/Water%20Forum/Computer%20Modeling/index.htm>
3. Groundwater Management Plan – Available online at:  
<http://www.slocountywater.org/site/Water%20Resources/Water%20Forum/AB3030/pdf/201103%20-%20Paso%20Basin%20Final%20GMP.pdf>
4. Original Model Report – Available online at:  
<http://www.slocountywater.org/site/Water%20Resources/Water%20Forum/pdf/Paso%20Robles%20Groundwater%20Basin%20Study,%20Phase%20II.pdf>
5. Change in Paso Robles Basin Groundwater Map – Spring Groundwater Elevations between 1997 - 2013

## **Location of Specific Technical Data**

### **Final Paso Basin Computer Model Update Report:**

<http://www.slocountywater.org/site/Water%20Resources/Water%20Forum/Computer%20Modeling/index.htm>

- Figure 1 - Represents the study area
- Chapters 3.3 and 3.4 - Explains the methodology for estimating the various inflow and outflow components for 1981 - 2011
- Table 26 - Summarizes the results
- Figures 57 - 67 - Illustrates where the various inflow and outflow components were modeled
- Figure 33 - Illustrates land use in 2011
- Table 3-22 on pg. 61 - Discusses septic system recharge (it is estimated that 38% of the demand returns to the basin - 0.29 AFY/dwelling unit; 0.46 AFY/dwelling unit is consumed/evaporates)

### **Groundwater Management Plan:**

<http://www.slocountywater.org/site/Water%20Resources/Water%20Forum/AB3030/pdf/201103%20-%20Paso%20Basin%20Final%20GMP.pdf>

- Figure 3-1 - Map of generalized well locations for our voluntary well level measuring program. Since publishing the report we've added about 30 new volunteer wells to the program.

### **Original Model Report:**

<http://www.slocountywater.org/site/Water%20Resources/Water%20Forum/pdf/Paso%20Robles%20Groundwater%20Basin%20Study,%20Phase%20II.pdf>

- Figure 6 - Cross section from Paso to Shandon
- Figure 15 - Regional groundwater flow map

The Planning Commission will reconvene to continue hearing on the item on May 29 2015.

If you have any questions regarding this matter, please contact Xzandrea Fowler at (805) 781-1172.